

Stellingen

Behorende bij het proefschrift:

Radon generation and transport: a journey through matter

1. During curing of concrete the amount of radon released to the environment increases by an order of magnitude (This thesis).
2. In the Radiation Protection Index for Dutch dwellings the radon release rate from concrete walls and floors may be overestimated by 10-15% (This thesis).
3. Radon release from concrete can be modelled satisfactory on basis of the multi-phase, radon-transport equation. Combining such a radon-transport model with a model for concrete structure will lead to a powerful tool for the design of concrete with a low-radon production (This thesis).
4. Diffusion of a gas molecule in a polymeric membrane is often regarded as jumps between voids through channels. In such a description not only the crossing of the energetic barrier between void positions but also the continuously changing morphology of the polymer, with voids being destroyed and created, should be taken into account.
5. Health problems related to indoor-air quality are often caused by various pollutants interacting in a synergistic manner.
6. In search for an explanation of an observed natural phenomenon it is the responsibility of a scientist to look not only at its macroscopic manifestation but also to understand the more basic underlying causes.
7. Extrapolating to humans the fact that laboratory rats dream of running their maze, it seems advisable to frequently leave the setting of a specific problem to free our minds for more creative dreams.
8. If you are not happy with your payment in EURO's, just convert it in the currency of one of the underdeveloped countries.
9. As a bursaal, you may be asked "In de naam van de Koningin" to pay taxes twice which is not yet, but close, to 100% of your stipend.

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